TRAVIS INDUSTRIES
HOUSE OF FIRE

GreenSmart™ Remote (2010 Version)

SKU 99300685 (NG) SKU 99300684 (LP)

Overview

> This wiring harness attaches to the existing wire harness (unlike the older version).
> **DO NOT REMOVE THE EXISTING WIRE HARNESS ON YOUR APPLIANCE.**

New Wiring Harness

This kit includes a revised remote wiring harness that is smaller and easier to install than the old wiring harness (see diagram below). The instructions included with this kit should be followed first. Then the instructions included in the installation manual should be followed, omitting the steps pertaining to wire-harness installation. This wiring harness works on all GreenSmart™ compatible appliances.

Order of Installation

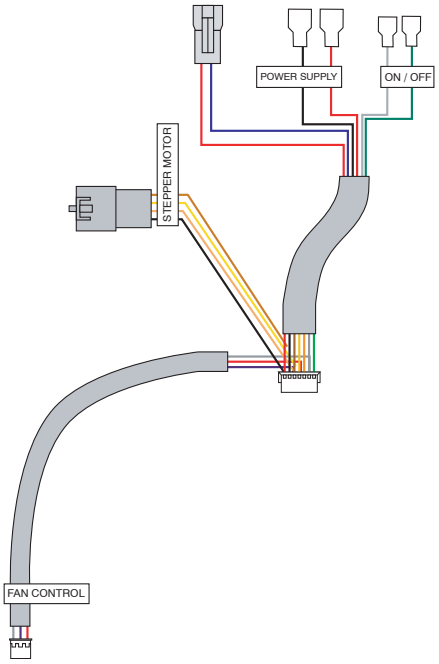
STEP # 1 Install the Wiring Harness and Receiver (see pages 4 through 6).

STEP #2 Install the remaining components for the remote following the instructions included in the manual* (Stepper Motor, Fan Control Module, etc.).

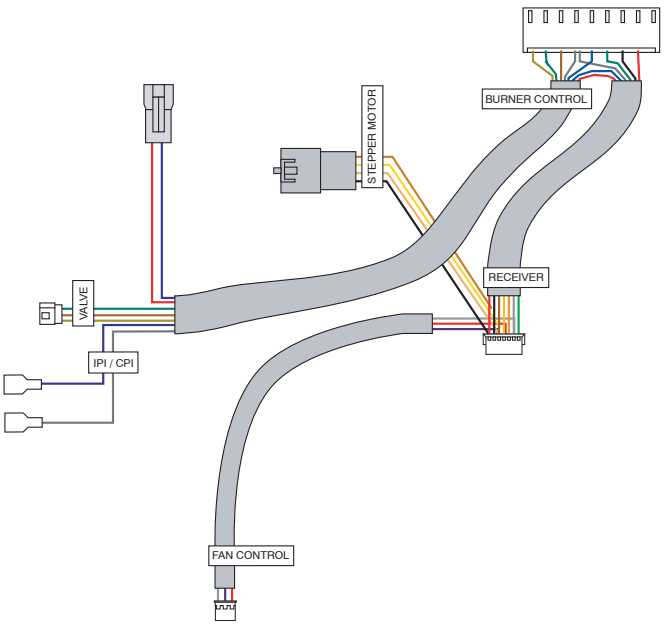
STEP # 3 Replace the control panel and restore appliance to the correct configuration.

***** Because each appliance has different installation parameters, additional installation instructions are included in the manual shipped with the appliance (manuals may also be found at travisproducts.com).

New Wiring Harness



Old Wiring Harness



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Compatibility

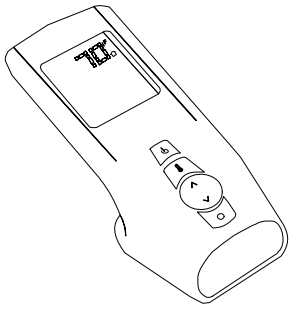
The GreenSmart™ remote is compatible with all of the new Travis GreenSmart products. The following units are compatible:

- 564 GS & DF
- Berkshire GS
- Eden
- 864 GS, ST GS, & HO
- Tree of Life GS
- Greenfield
- 21 TRV GS
- Northfield
- Cypress

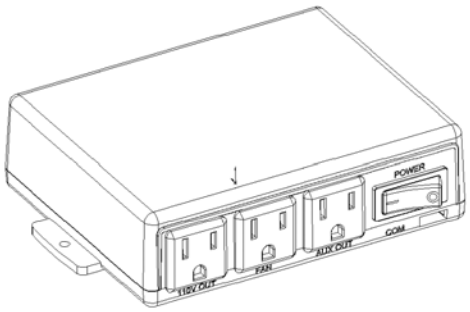
Packing List

- Transmitter with 3 AAA Batteries
- Receiver (with Cover Plate & Switch)
- Fan Control Module
- Velcro
- LP or NG Stepper Motor (with screws and label - attaches to Valve)
- Wire Harness (**NEW, 2010 VERSION – SEE PAGE 2 FOR DETAILS**)
- (2) Power Leads
- (2) #8 x ½" Machine Screws
- (2) Wire Ties
- Torx T-20 Wrench
- Wall Mount (for placing the transmitter on a wall)
- (2) Drywall anchors (for wall mount)
- (2) #8 x 3/8" Type B Screws
- (2) Wire Nuts

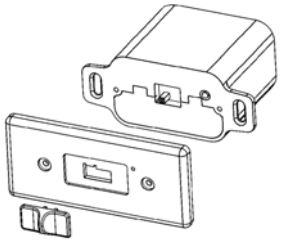
Transmitter



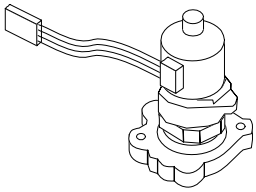
Fan Control Module



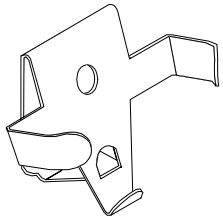
Receiver



Stepper Motor



Transmitter Wall Mount



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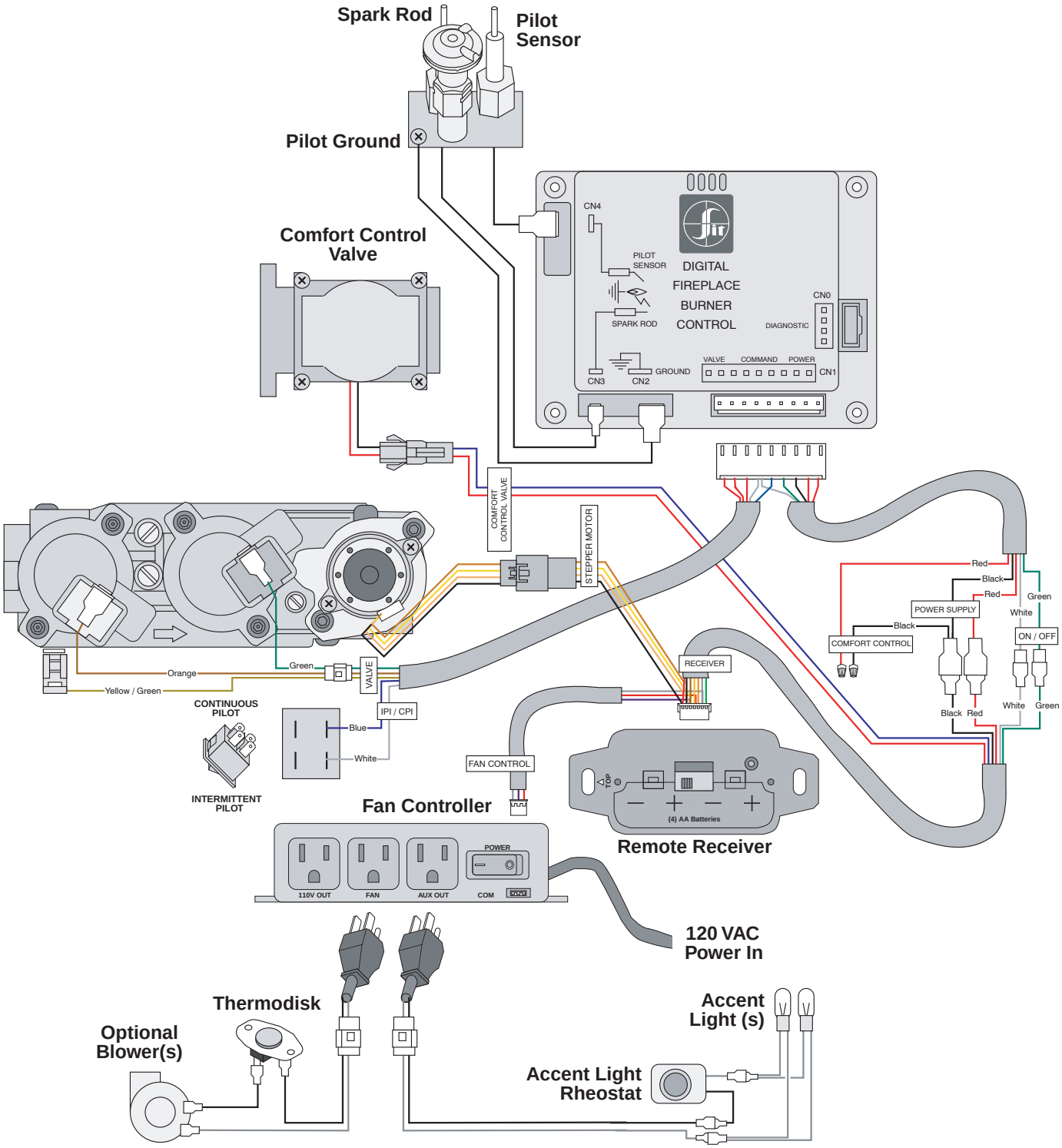
SKU 99300685 (NG) SKU 99300684 (LP)

Installation

When installing the remote, refer to the wiring diagram shown below.



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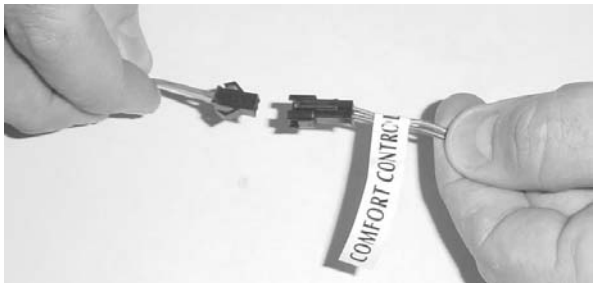
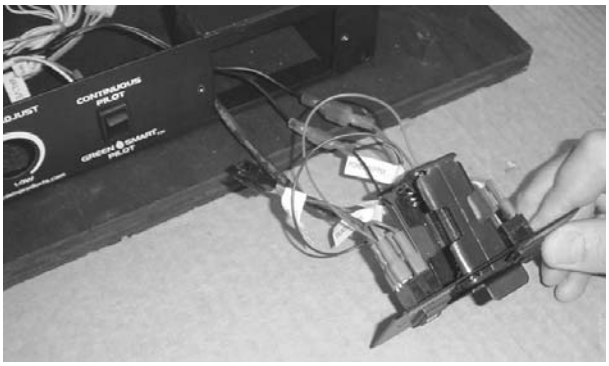
Installation (continued)

1 Remove the control panel on the appliance to allow access to the wiring (see installation manual).

2 Disconnect the comfort control connector.

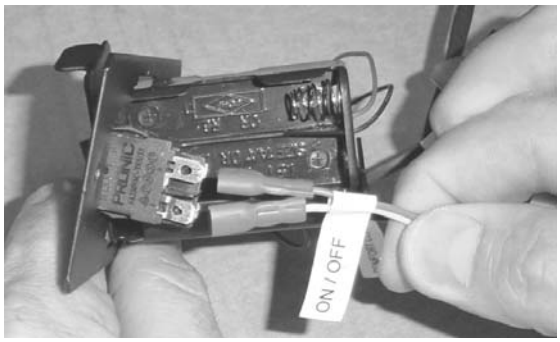


3 Remove the on/off/battery plate from the appliance.



4 Carefully disconnect the on/off wires from the on/off switch.

WARNING: Do not pull on the wires while disconnecting. Grasp the quick-connects or use needle-nose pliers to disconnect these wires from the posts on the on/off switch.



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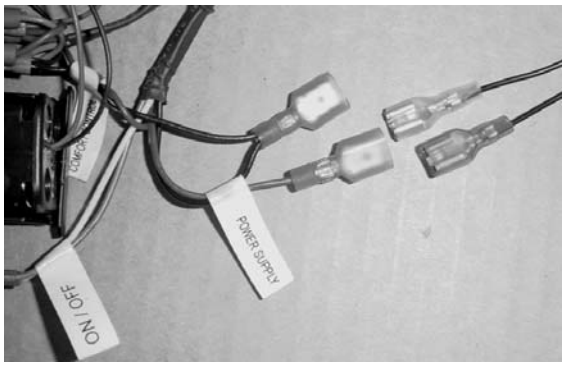
Installation (continued)

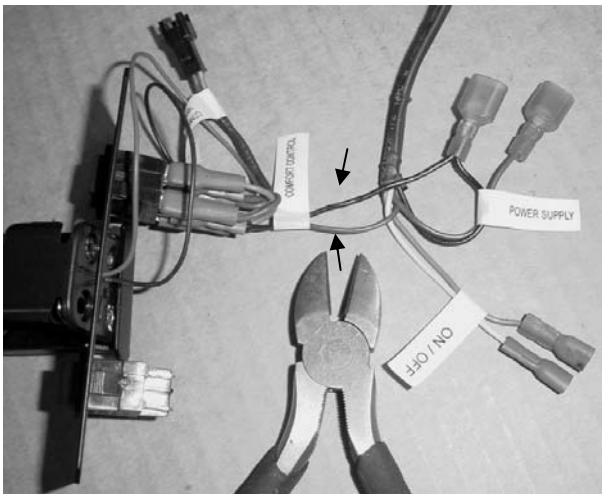
5 Carefully disconnect the power supply wires from the ac adapter. The ac adapter may be discarded.

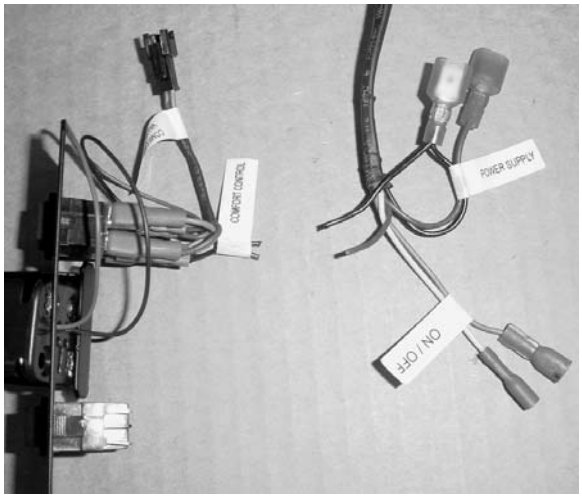
WARNING: Do not pull on the wires while disconnecting. Grasp the both quick-connects while disconnecting.



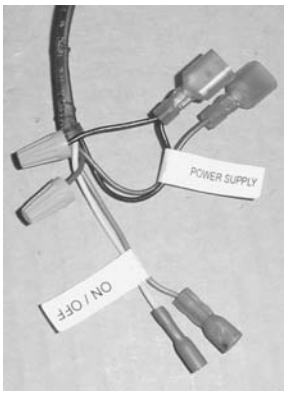
6 Cut the two wires leading to the comfort control switch on the on/off/battery plate. The on/off/battery plate may be discarded.

> On newer appliances this connection has quick connects. For these appliances, disconnect the quick connects to remove the on/off/battery plate and disregard step 7 for attaching the wire nuts.





7 Attach the included wire nuts to the two exposed wires on the wiring harness.



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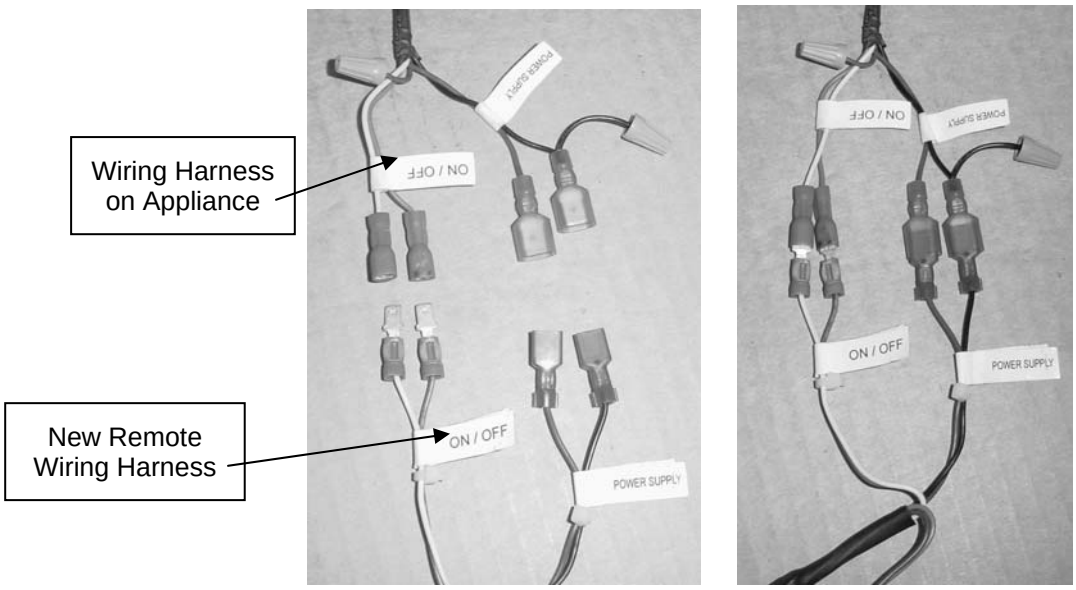
Installation (continued)

8 Attach the new wiring harness to the on/off switch and power supply wires. Attach corresponding wires to the same color (red to red, white to white, etc.).



9 Attach the wiring harness to the receiver. Install the remote receiver into the control panel.

10 Install the remaining components for the GreenSmart™ remote following the instructions included with the appliance. Because the revised remote wiring harness uses the stock wiring harness, the following connections are pre-wired and do not need to be connected:
-- Connection to Digital Fireplace Controller (DFC)
-- Connection to Gas Control Valve
-- Connection to IPI/CPI Switch

WARNING: Make sure all wiring is secure and does not contact any hot or moving parts. Use zip ties, if necessary, to secure the wires.

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Battery Installation

Transmitter Battery Installation

Install the three included AAA batteries into the remote (see Figure 1).

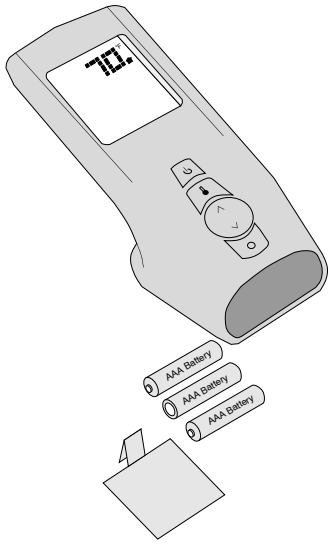

Figure 1

Receiver Battery Installation

Install four AA batteries into the receiver (see Figure 2). You can use the batteries from the battery backup tray on the appliance. See the installation instructions for details. These batteries control the comfort control and act as a power-backup in case the household (AC) current goes out.

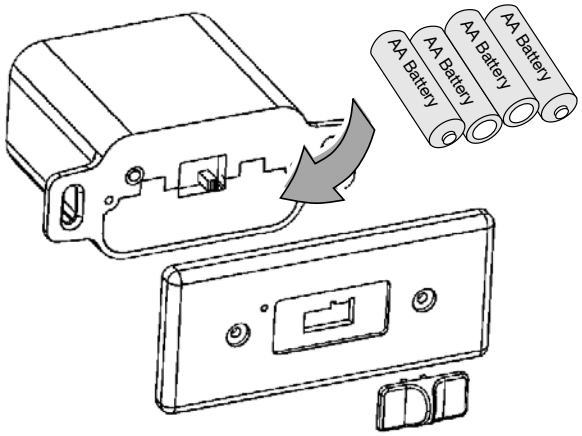

Figure 2

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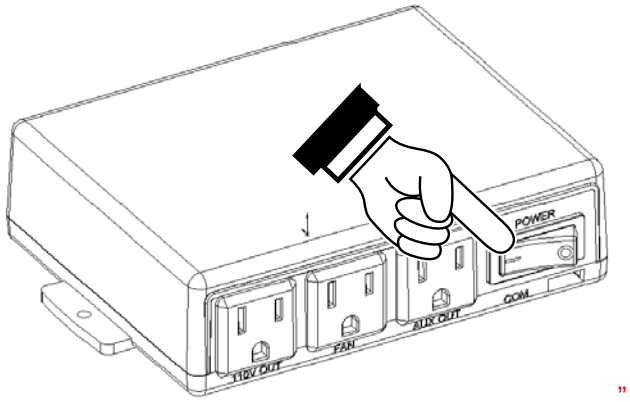
Set-Up

Verify the Fan Control Module is On

The fan control module has a power switch. Make sure it is in the ON ("-") position (see Figure 3). This switch must remain in the ON position for the AC components to operate (Accent Light and Optional Blower). The module also supplies low-voltage for the fireplace controller. By leaving it in the OFF position, the fireplace will operate off the receiver batteries, greatly diminishing battery life.



"

Figure 3

Synchronize the Transmitter to the Remote

The transmitter will need to be synchronized to the receiver before the remote will work correctly. Synchronizing is done in the following two steps below (see Figure 4):

a) Press the PRG (Program) button on the receiver using a paperclip or equivalent device (receiver will beep 3 times).
b) Press the "ON" button on the transmitter (receiver will beep 4 times).

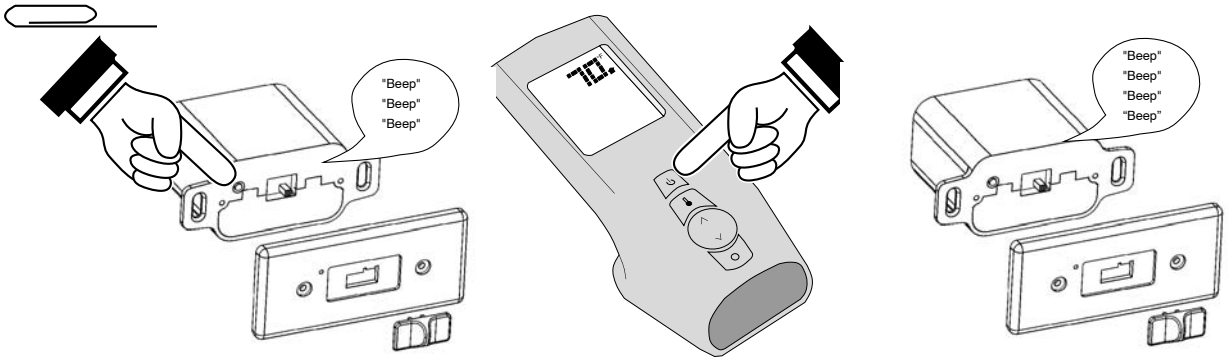


Figure 4

NOTE: If power is cut off to the receiver for an extended period of time, you may need to re-synchronize the remote.

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Direct Fireplace Operation

The fireplace may be directly operated from the receiver. The three positions are below (see Figure 5):

ON – Fireplace burner turns on (regardless of transmitter settings).

OFF – Fireplace burner turns off (regardless of transmitter settings).

REMOTE – Fireplace is controlled by the transmitter.

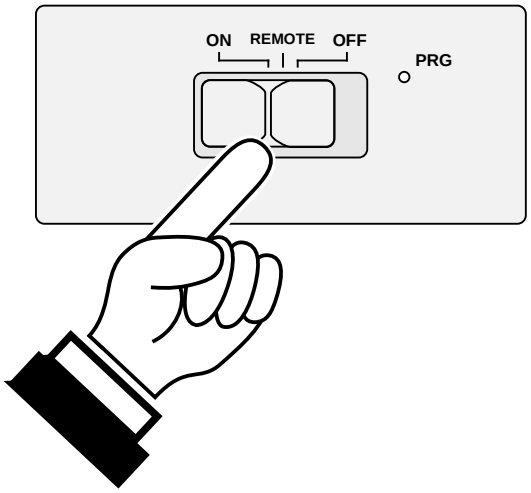

Figure 5

NOTE: When the receiver switch is turned to ON or OFF, the mode settings (Accent Light, Blower, Flame Height, Comfort Control) will remain in the same state as before the switch was moved (i.e.: the receiver "remembers" the last setting). If you wish to adjust the mode settings use the transmitter mode button to adjust the settings (see "Mode Controls" on page 12). The thermostat and burner on/off operating functions will not work on the transmitter.

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Remote Operation

Once the receiver is switched to “REMOTE” the transmitter operates the fireplace. Once you understand how the transmitter works, you will be able to operate your fireplace quickly and easily.

Display Overview

The transmitter display has four main sections (see Figure 6).

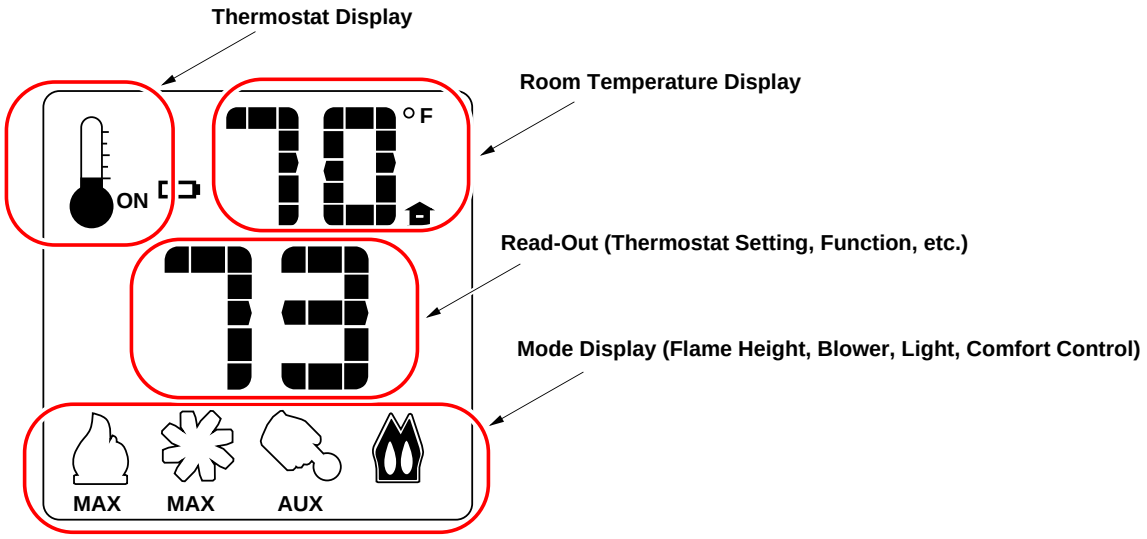

Figure 6

Listen for the “Beep”

Each time you press a button on the transmitter that controls the fireplace, a “beep” will come from the fireplace. When you change thermostat target settings the fireplace will not beep.
NOTE: When the receiver batteries start to get low, the receiver will beep intermittently. When the batteries are nearly depleted, the receiver will no longer beep. See “Receiver Batteries” on page 14).

ON / OFF Operation

The top button on the remote turns the remote on and off (see Figure 7).

ON – Remote controls the fireplace (make sure receiver is in REMOTE position - see Figure 5).

OFF – Fireplace will remain off (make sure receiver is in REMOTE position - see Figure 5).

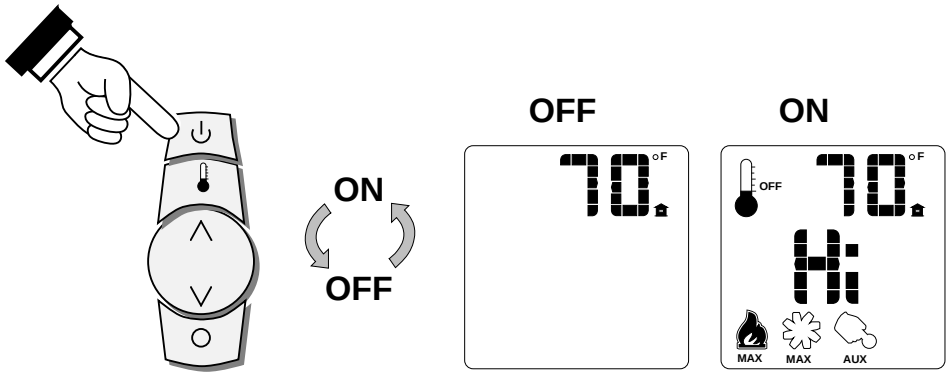

Figure 7

 © Travis Industries, Inc.

Manual On-Off / Smart Thermostat / Standard Thermostat

Use the thermostat button to cycle through the three thermostat settings (see Figure 8).

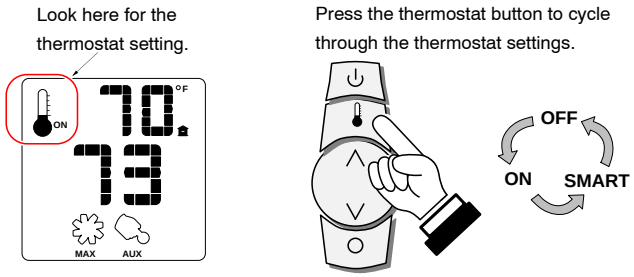

Figure 8

- **MANUAL ON/OFF** – The burner will turn on and off using the remote (see Figure 9). Press the On/Off button to control the burner. When off, the display will only show the current temperature.

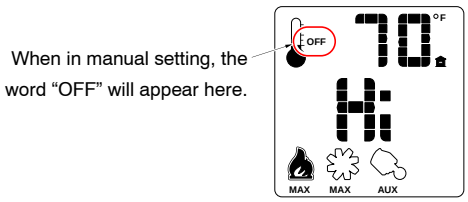

Figure 9

- **SMART THERMOSTAT** – While in smart thermostat, the transmitter will control the flame height to achieve the target temperature ("smart modulation"). If the temperature exceeds the target temperature the heater will shut off. This allows the heater to stay on longer and provide a more consistent temperature. To adjust the target temperature, press the up and down buttons until a suitable temperature is achieved. (see Figure 10 below).

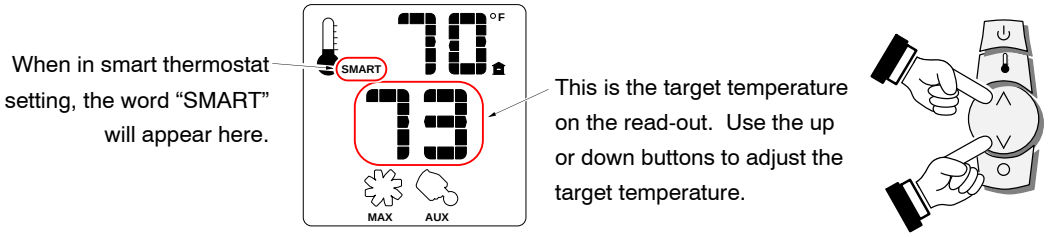
When in smart thermostat setting, the word "SMART" will appear here.
SMART
70
°F
73
MAX
AUX
This is the target temperature on the read-out. Use the up or down buttons to adjust the target temperature.

Figure 10

- **STANDARD THERMOSTAT** - While in standard thermostat setting, the transmitter will turn the burner on and off to achieve the target temperature (see Figure 11 below). To adjust the target temperature, press the up and down buttons until a suitable temperature is achieved.

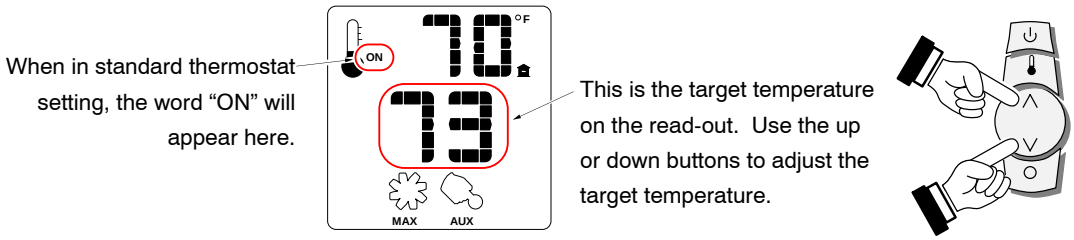
When in standard thermostat setting, the word "ON" will appear here.
ON
70
°F
73
MAX
AUX
This is the target temperature on the read-out. Use the up or down buttons to adjust the target temperature.

Figure 11

NOTE: if the transmitter batteries go dead while in thermostat setting (standard or smart), the appliance will shut off after approximately 24 hours.

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Mode Controls (Flame, Blower, Light, Comfort Control)

Use the mode button to cycle through the four mode controls (see Figure 12 below).

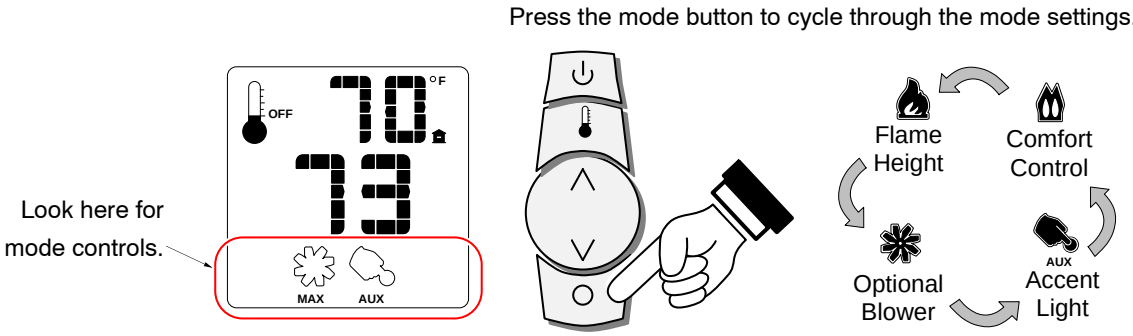

Figure 12

Flame Height

Flame height may be controlled using the up and down buttons when in Flame Height Mode (see Figure 13 below). The center display will display the 7 settings, from “OFF” to “HI” for full on.
NOTE: Flame height may not be adjusted if operating in Smart Thermostat setting.

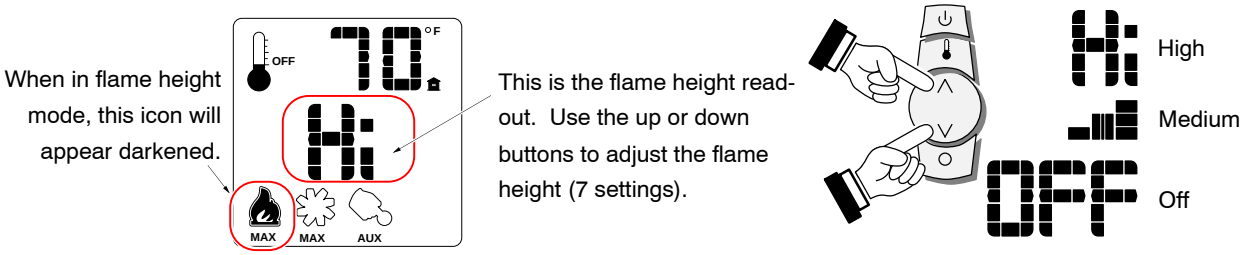

Figure 13

Blower Speed

If your heater has an optional blower, it may be controlled using the up and down buttons when in Blower Speed Mode (see Figure 14). The center display will display the 7 settings, from “OFF” to “HI” for full on.

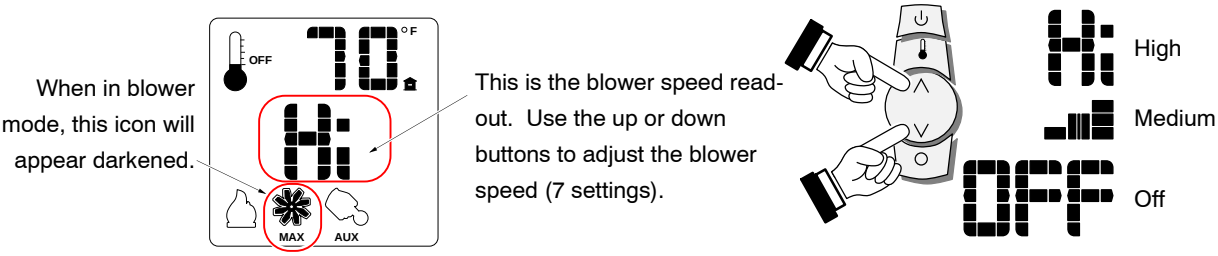

Figure 14

MANUAL MODE (NEW RECEIVER WITH TIMER FUNCTION)

When in Manual Mode the blower will remain on, even if the burner is turned off and the heater cools. Either manually turn the blower off, or turn off the heater by pressing the On/Off button.

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Mode Controls (continued)

Accent Light (Aux)

The Accent Light (night light) inside the heater may be turned on and off using the up and down buttons when in Accent Light (Aux) Mode (see Figure 15). The center display will display either “ON” or “OFF”.

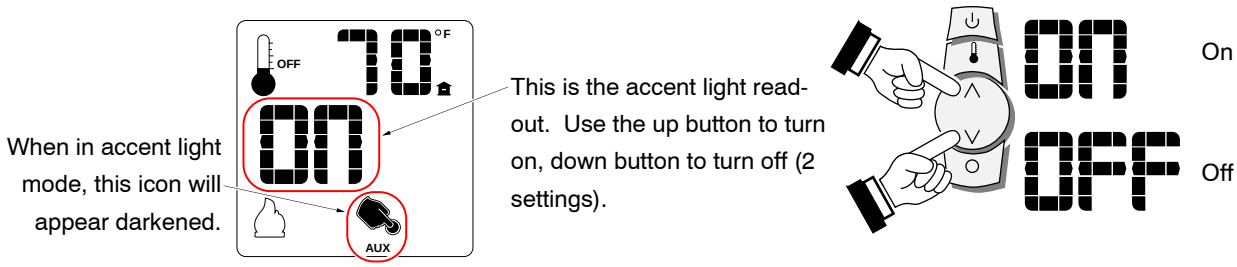

Figure 15

HINT: The rheostat on the heater must be turned on for remote operation to work correctly. You may wish to adjust the rheostat to a desirable light output prior to operating.

HINT: If you wish to leave the accent light on while turning the burner off, adjust the Flame Height to “OFF” (see the previous page).

Comfort Control (rear burner)

The comfort control (rear burner) may be turned on and off using the up and down buttons when in Comfort Control Mode (see Figure 16). The center display will display either “ON” or “OFF”.

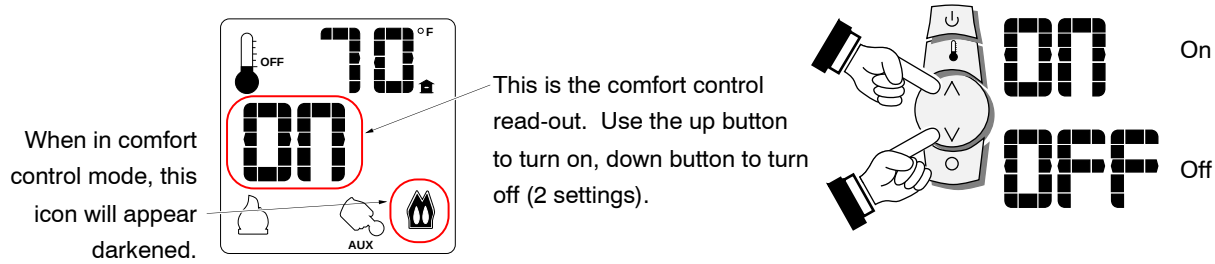

Figure 16

Display Fahrenheit or Celsius

- With the system in the “OFF” position, press both the MODE and THERMOSTAT buttons simultaneously to toggle between Fahrenheit (F) and Celsius (C) (see Figure 17 below).

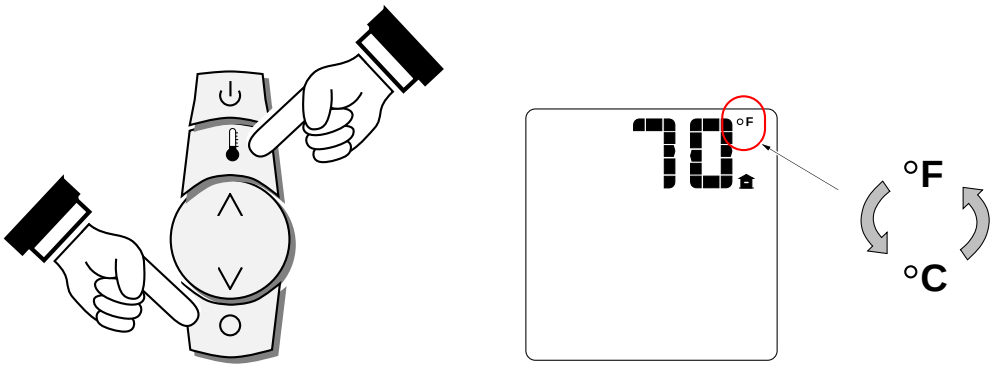

Figure 17

 © Travis Industries, Inc.

Low Battery Indicator

Transmitter Batteries

The transmitter has a battery-level indicator. When it indicates low battery voltage (see Figure 18 below), install four new AAA alkaline batteries into the transmitter (see “Transmitter Battery Installation” on page 7).

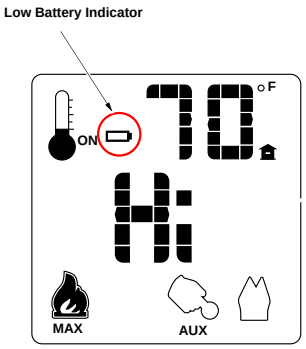

Figure 18

Receiver Batteries

The receiver will “beep” periodically when the receiver batteries go low. Install four new AA alkaline batteries into the receiver when this occurs (see “Receiver Battery Installation” on page 7). In applications where the appliance is required to provide heat, we recommend replacing the batteries before each heating season.

Child Proof Feature

The child proof feature disables the control buttons, preventing un-wanted use of the remote.

- Press both the MODE and UP buttons simultaneously to turn this feature on and off (see Figure 19 below).

HINT: This feature is especially useful while using the thermostat setting.

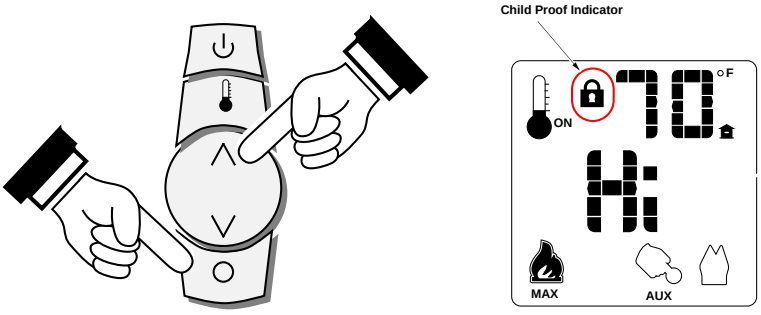

Figure 19

Power Outages

The remote will work if household current (AC power) is disconnected. The batteries inside the receiver will continue to power the heater but the accent light and blower will not operate.

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